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- 233 372/70,35,25,29.01,71-75.ccls. and ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or source)) - 7073 ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) - 361 ((cool or cooling or cooled) and (amplifier or oscillation or resonating) and (pump or source)) ((cool or cooling or cooled) and (amplifier or oscillation or resonator or resonator or amplifying) and (oscillator or resonator or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) DERWENT 2003/05/30 13: 2003/				, ,		
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oscillation or resonating) and (pump or source)) 7073 ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) 361 ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) DERWENT 2003/05/30 13: 2003/05/30 13: DERWENT 2003/06/13 12: 2003/06/13 12: DERWENT	i		cooling or cooled) and (amplifier or	US-PGPUB;		
source)) ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) 361 ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) SPAT; 2003/05/30 13: USPAT; USPAT; 2003/06/13 12: USPAT; USPAT; USPAT; 2003/06/13 12: OF APPLY O	1					
- 7073 ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) - 361 ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) VSPAT; USPAT;		oscillation or resonating) and (pump or	DERWENT			
or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) - 361 ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) Or amplifying and (oscillator or resonator or oscillation or resonating) DERWENT	į l					
or oscillation or resonating) and (pump or source)) - 361 ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) DERWENT Cooling or cooled DERWENT D	-	7073			2003/05/30	13:02
source)) - 361 ((cool or cooling or cooled) and (amplifier USPAT; 2003/06/13 12: or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) DERWENT 2003/06/13 12: DERWENT	i			1		
- 361 ((cool or cooling or cooled) and (amplifier USPAT; 2003/06/13 12: or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) DERWENT						
or amplifying) and (oscillator or resonator US-PGPUB; or oscillation or resonating) and (pump or EPO; JPO; source)) and (cryogenic or cryogenically) DERWENT					0005 155 155	
or oscillation or resonating) and (pump or EPO; JPO; source)) and (cryogenic or cryogenically) DERWENT	-	361		1	2003/06/13	12:20
source)) and (cryogenic or cryogenically) DERWENT						İ
source)) and (cryogenic or cryogenically) DERWENT						
1 1/2000 1/34-44 /		1 400=5	source)) and (cryogenic or cryogenically)	1	0000/05/05	. ,
- 143253 (liquid and (cool or coolant or cooling) and USPAT; 2003/05/30 14:	-	143253		'	2003/05/30	14:54
(nitrogen)) US-PGPUB;			(nitrogen))			
EPO; JPO;	i i					
DERWENT 1217 (liquid and (cool or coolant or cooling) and USPAT; 2003/05/30 14:	1_	1015	(liquid and (goal on goalant on goaling)		2002/05/20	14.57
	-	121/			2003/05/30	T#:2/
(nitrogen)) and laser and amplifier US-PGPUB; EPO; JPO;			(microgen)) and laser and amplifier			
DERWENT						-
- 1217 ((liquid and (cool or coolant or cooling) USPAT; 2003/05/30 14:	_	1217	((liquid and (cool or coolant or cooling)		2003/05/30	14:57
and (nitrogen)) and laser and amplifier) US-PGPUB;		121			=005,05,50	,
EPO; JPO;	, I		, ,			
DERWENT	, l					
- 361 ((liquid and (cool or coolant or cooling) USPAT; 2003/05/30 15:	; -	361	((liquid and (cool or coolant or cooling)		2003/05/30	15:11
and (nitrogen)) and laser and amplifier) and US-PGPUB;					' '	
((pulse or source) and (oscillator or EPO; JPO;						
resonator)) DERWENT			resonator))	DERWENT		

US-PGPUB; EBC; JPO; DERWENT US-PGPUB; EBC; JPO; DERWENT					
Simple Company Compa	-	2	("5987049").PN.	US-PGPUB;	2003/05/30 16:28
Section Sect	-	35821	((oscillator and laser))	DERWENT USPAT; US-PGPUB;	2003/06/13 12:20
Source) and (cryogenic or cryogenically) DERWENT and joules (cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) DERWENT US-PGPUB; EPO; JPO; DERWENT Source) and (cryogenic or cryogenically) DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB;	-	59	or amplifying) and (oscillator or resonator	DERWENT USPAT; US-PGPUB;	2003/06/13 12:21
or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source) and (cryogenic or cryogenically) and (joules or power) ((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) and (joules or power or wath) and (joules or power or wath) backus adj3 sterling or (kapteyn adj3 henry) or (murnane adj3 margaret).ti. - 2 backus adj3 sterling or (kapteyn adj3 henry) or (murnane adj3 margaret).ti. - 3 cryogenically near3 cooled near3 uspAT; uspAGUB, EPO, JPO, DERWENT uspAT; uspAGUB, EPO, JPO, DERWENT uspAT; uspAGUB, EPO, JPO, DERWENT uspAT; uspAGUB, EPO, JPO, DERWENT uspAT; uspAGUB, EPO, JPO, DERWENT uspAT; uspAGUB, EPO, JPO, DERWENT uspAT; uspAGUB, EPO, JPO, DERWENT uspAT; uspAGUB, EPO, JPO, DERWENT uspAT; uspAGUB, EPO, JPO, DERWENT uspAGUB, EPO, JPO, JPO, JPO, JPO, JPO, JPO, JPO, J		210	source)) and (cryogenic or cryogenically) and joules	DERWENT	2002/06/12 12:21
Clocol or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically) and (joules or power or watt) Dackus adj3 sterling or (kapteyn adj3 henry) Or (murnane adj3 margaret).ti. USPAT; US	-	310	or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically)	US-PGPUB; EPO; JPO;	2003/00/13 12.21
2 backus adj3 sterling or (kapteyn adj3 henry) USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;	-	319	((cool or cooling or cooled) and (amplifier or amplifying) and (oscillator or resonator or oscillation or resonating) and (pump or source)) and (cryogenic or cryogenically)	US-PGPUB; EPO; JPO;	2003/06/13 12:22
3	-	2	backus adj3 sterling or (kapteyn adj3 henry)	US-PGPUB; EPO; JPO;	2003/06/13 12:24
1309 372/35,51,52,70.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; E	-	3		USPAT; US-PGPUB; EPO; JPO;	2003/06/13 12:24
- 433 372/35.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWE	-	1309	372/35,51,52,70.ccls.	USPAT; US-PGPUB; EPO; JPO;	2003/06/13 12:32
- 83 372/51.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWEN		433	372/35.ccls.	USPAT; US-PGPUB;	2003/06/13 12:27
- 26342 laser and (cool or coolant) - 14592 laser and (cool or coolant) and liquid - 881 laser and (cool or coolant) and liquid and oscillator - 469 laser and (cool or coolant) and liquid and oscillator and amplifier - 450 laser and (cool or coolant) and liquid and liquid and liquid and oscillator and amplifier - 450 laser and (cool or coolant) and liquid and liquid and USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	-	83	372/51.ccls.	USPAT; US-PGPUB;	2003/06/13 12:33
- 14592 laser and (cool or coolant) and liquid USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; Oscillator and amplifier USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/06/13 12	-	26342	laser and (cool or coolant)	USPAT; US-PGPUB;	2003/06/13 12:33
- 881 laser and (cool or coolant) and liquid and oscillator - 469 laser and (cool or coolant) and liquid and oscillator and amplifier - 450 laser and (cool or coolant) and liquid and liquid and oscillator and amplifier - 450 laser and (cool or coolant) and liquid and USPAT; 2003/06/13 12	-	14592	laser and (cool or coolant) and liquid	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/06/13 12:34
- 469 laser and (cool or coolant) and liquid and USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; 2003/06/13 12	-	881		USPAT; US-PGPUB; EPO; JPO;	2003/06/13 12:34
- 450 laser and (cool or coolant) and liquid and USPAT; 2003/06/13 12	-	469		USPAT; US-PGPUB; EPO; JPO;	2003/06/13 12:35
or joules) EPO; JPO;	-	450	oscillator and amplifier and (power or watt	USPAT; US-PGPUB; EPO; JPO;	2003/06/13 12:40
oscillator and amplifier and (power or watt US-PGPUB; or joules) and (single adj3 pass) EPO; JPO;	-	26	oscillator and amplifier and (power or watt	USPAT; US-PGPUB; EPO; JPO;	2003/06/13 12:41
- 5 laser and (cool or coolant) and liquid and USPAT; 2003/06/13 12 oscillator and amplifier and (power or watt or joules) and (single adj3 pass) and (multiple adj3 pass) and DERWENT EPO; JPO; DERWENT	-	5	oscillator and amplifier and (power or watt or joules) and (single adj3 pass) and	USPAT; US-PGPUB; EPO; JPO;	2003/06/13 12:42

612	cryogenic near3 cool	USPAT; US-PGPUB; EPO: JPO:	2003/06/13 13:08
1227	(cryogenic or cryogenically) near3 (cool or	DERWENT USPAT;	2003/06/13 13:08
		EPO; JPO; DERWENT	
135	(cryogenic or cryogenically) near3 (cool or coolant) and laser	USPAT; US-PGPUB; EPO; JPO;	2003/06/13 13:09
2	(cryogenic or cryogenically) near3 (cool or coolant) and laser and (amplifier) and oscillator	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/06/13 13:14
24	(cryogenic or cryogenically) near3 (cool or coolant) and laser and (amplifier)	USPAT; US-PGPUB; EPO; JPO;	2003/06/13 13:09
12396	laser and (amplifier) and oscillator	USPAT; US-PGPUB;	2003/06/13 13:14
2	(laser and (amplifier) and oscillator) and (cryogenic or cryogenically) near3 (cool or coolant)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/06/13 13:15
792	(laser and (amplifier) and oscillator) and (cryogenic or cool)	USPAT; US-PGPUB; EPO; JPO;	2003/06/13 13:30
8083	fiber and amplifier and pump	DERWENT USPAT; US-PGPUB;	2003/06/13 13:31
1190	372/6.ccls.	DERWENT USPAT; US-PGPUB;	2003/06/13 13:32
803	372/6.ccls. and (amplifier)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/06/13 13:32
743	372/6.ccls. and (amplifier and (pump or source))	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/06/13 13:32
433	372/35.ccls.	DERWENT USPAT; US-PGPUB; EPO: JPO:	2003/07/11 10:41
125	masuda adj3 hisashi	DERWENT USPAT; US-PGPUB;	2003/07/11 10:41
66	masuda adj3 hisashi and laser	DERWENT USPAT; US-PGPUB;	2003/07/11 11:19
2	("3970960").PN.	DERWENT USPAT; US-PGPUB;	2003/07/11 12:07
9	or ("6240111") or ("3936772") or ("4119929")	DERWENT USPAT	2003/07/11 12:12
8	("3638140")).PN. (("3970960") or ("5987049") or ("5615043") or ("6240111") or ("5644424") or ("5963363")	USPAT	2004/04/16 19:48
	1227 135 2 24 12396 2 792 8083 1190 803 743 433 125 66 2	(cryogenic or cryogenically) near3 (cool or coolant) 135 (cryogenic or cryogenically) near3 (cool or coolant) and laser 2 (cryogenic or cryogenically) near3 (cool or coolant) and laser and (amplifier) and oscillator 24 (cryogenic or cryogenically) near3 (cool or coolant) and laser and (amplifier) 12396 laser and (amplifier) and oscillator 2 (laser and (amplifier) and oscillator) 3 (laser and (amplifier) and oscillator) and (cryogenic or cryogenically) near3 (cool or coolant) 4 (laser and (amplifier) and oscillator) and (cryogenic or croolant) 5 (laser and (amplifier) and oscillator) and (cryogenic or cool) 8 3 fiber and amplifier and pump 1 190 372/6.ccls. 8 372/6.ccls. and (amplifier) 4 3 372/6.ccls. and (amplifier) 4 3 372/6.ccls. and (amplifier) 6 6 masuda adj3 hisashi 6 6 masuda adj3 hisashi and laser 2 ("3970960").PN. 9 (("3970960") or ("3643176") or ("5651016") or ("4119929") or ("4100507") or ("6154478") or ("4119929") or ("4100507") or ("6154478") or ("5615043") 8 (("3970960") or ("5987049") or ("5615043")	1227 Cryogenic or cryogenically) near3 (cool or coolant) Cryogenic or cryogenically) near3 (cool or coolant) Cryogenic or cryogenically) near3 (cool or coolant) and laser Cryogenic or cryogenically) near3 (cool or coolant) and laser and (amplifier) and oscillator Cryogenic or cryogenically) near3 (cool or coolant) and laser and (amplifier) US-PGPUB, EPO, JPO, DERWENT US-PGPUB,

-	4	,	USPAT	2004/04/16 19:47
		"6101201").PN.		
-	13		USPAT	2004/04/16 19:47
-	560	372/21.ccls.	USPAT;	2004/04/16 19:49
			US-PGPUB;	
1			EPO; JPO;	
}			DERWENT	
-	74	372/42.ccls.	USPAT;	2004/04/16 19:49
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	!
-	9	(("5285310") or ("3597695") or ("6122097")	USPAT	2004/05/05 17:39
		or ("5790303") or ("4896119") or ("5644424")		
		or ("5239408") or ("6144484") or		İ
		("5963363")).PN.		
-	248	amplifier and joules and laser and cool	USPAT;	2004/05/05 17:43
			US-PGPUB;	
			EPO; JPO;	
		·	DERWENT	
_	28	amplifier and joules and laser and cool and	USPAT;	2004/05/05 17:41
	1	((single or multiple) near3 pass)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	889	372/70.ccls.	USPAT;	2004/05/05 17:46
		·	US-PGPUB;	
			EPO; JPO;	
1			DERWENT	
-	2	372/70.ccls. and (amplifier and joules and	USPAT;	2004/05/05 17:44
		laser and cool)	US-PGPUB;	' '
			EPO; JPO;	
			DERWENT	
-	668	372/69.ccls.	USPAT;	2004/05/05 17:47
		·	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	155	372/74.ccls.	USPAT;	2004/05/05 17:47
		·	US-PGPUB;	
	1		EPO; JPO;	
		,	DERWENT	1
-	61	372/73.ccls.	USPAT;	2004/05/05 17:47
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	